**21st Century Learning Content Lesson**

Carnell School - Ms. Khadr 2nd Grade

**Objective:**

Today we will demonstrate understanding of the life cycle of a butterfly and how these stages provide food sources for many other insects.

You will know you have learned this when you can create a Comic Life Illustration of the life cycle of a butterfly and identify one food source or function of that stage.

**Content Standard(s) Addressed:**

3.3.4.A.1: Identify life processes of living things (e.g., growth, digestion, react to environment).

3.3.4.B: Know that living things are made up of parts that have specific functions.

Content Descriptor: Understand that each kind of living thing has its own pattern of development and that all members of that kind follow the same pattern.

**21st Century Skills Addressed:**

Communication, Interpersonal & Collaborative Skills

Critical Thinking & Systems Thinking

Problem Identification, Formulation & Solution

Creativity & Intellectual Curiosity

Self-Direction, Accountability & Adaptability

**Lesson:**

View video “A Monarch’s Life Cycle”; Login to Discovery Education through SchoolNet. Click on the link below:

<http://player.discoveryeducation.com/index.cfm?guidAssetId=9CF4CE65-4B83-4DEF-AD56-FD6BFA58DC72&blnFromSearch=1&productcode=US>

Discuss the various food sources that each stage needs to survive and why each stage is important to the butterfly and other insects.

Use the Comic Life Template to illustrate the four cycles of a butterfly. Use the captions to explain each cycle. Include the following information:

-The name of the stage

-Why is the stage important to the development of the butterfly?

-What foods are eaten in each stage?

-How long is each stage?

-How does the stage help other insects and plants?

Use the website below to find pictures for your Comic Life Illustration:

<http://www.butterflypictures.net/>

**Assessment:**

See attached Comic Life Rubric.